



RECEIVED

JUL 14 2003

HUB 1205 (10201511)  
TECH CENTER 1600/2900

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Tischer, et al.  
Serial No. : 10/049,750  
Filed : February 15, 2002  
For : ENZYMATIC SYNTHESIS OF  
DEOXYRIBONUCLEOSIDES  
Art Unit : 1652  
Examiner : Delia Ramirez

5/8  
MQJ  
7/31/03

July 8, 2003

Mail Stop: Non-Fee Amendment  
Commissioner for Patents  
Alexandria, VA 22313-1450

SECOND PRELIMINARY AMENDMENT

Sir:

In advance of prosecution, please amend the above-identified patent application as follows:

IN THE CLAIMS

Please cancel claims 2, 26, 32, 37, 38, 42, 43, and 45 without prejudice.

Please add claims 47-95 which follow:

R126

B'

Claim <sup>46</sup>~~47~~: The method of claim 1, further comprising removing the inorganic phosphate.

Claim <sup>47</sup>~~48~~: The method of claim 1, comprising catalyzing said enzymatic synthesis with a thymidine phosphorylase (TP, EC 2.4.2.4) or a purine nucleoside phosphorylase (PNP, EC 2.4.2.1).